



DECLARATION OF PERFORMANCE

No. **0051-CPR-1873**

Unique identification code of the product-type:

ID300

Base/s: **EB0010** or **EB0110** (standard base)
EB0020 or **EB0120** (relay base)

Intended use/s:

**Conventional multicriteria optical smoke and category P heat detector
for fire detection and fire alarm systems installed in buildings**

Manufacturer:

INIM ELECTRONICS S.R.L.
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System/s of AVCP:

System 1

Harmonized standard/s:

EN 54-5:2017 + A1:2018
EN 54-7:2018

Notified Body/ies:

IMQ S.p.A., No. 0051

Declared performance/s:

Essential Characteristics	Performance	Harmonized technical specification	Clause §	Note
Operational reliability				
<i>Position of heat sensitive element</i>	PASS	EN 54-5:2017 + A1:2018	4.2.1	
<i>Individual alarm indication</i>	PASS	EN 54-5:2017 + A1:2018	4.2.2	
	PASS	EN 54-7:2018	4.2.1	
<i>Connection of ancillary devices</i>	PASS	EN 54-5:2017 + A1:2018	4.2.3	
	PASS	EN 54-7:2018	4.2.2	
<i>Monitoring of detachable detectors</i>	PASS	EN 54-5:2017 + A1:2018	4.2.4	
	PASS	EN 54-7:2018	4.2.3	
<i>Manufacturer's adjustments</i>	PASS	EN 54-5:2017 + A1:2018	4.2.5	
	PASS	EN 54-7:2018	4.2.4	
<i>On site adjustment of response behaviour</i>	PASS	EN 54-5:2017 + A1:2018	4.2.6	Category P: A1R, B Sensitivity: 0,08dB/m, 0,10dB/m, 0,12dB/m, 0,15dB/m
	PASS	EN 54-7:2018	4.2.5	
<i>Protection against the ingress of foreign bodies</i>	PASS	EN 54-7:2018	4.2.6	
<i>Response to slowly developing fires</i>	PASS		4.2.7	
<i>Software controlled detector</i>	PASS	EN 54-5:2017 + A1:2018	4.2.7	
	PASS	EN 54-7:2018	4.2.8	
Nominal activation conditions/Sensitivity				
<i>Repeatability</i>	PASS	EN 54-7:2018	4.3.1	
<i>Directional dependence</i>	PASS	EN 54-5:2017 + A1:2018	4.3.1	
	PASS	EN 54-7:2018	4.3.2	
<i>Static response temperature</i>	PASS	EN 54-5:2017 + A1:2018	4.3.2	
<i>Response times from typical application temperature</i>	PASS		4.3.3	
<i>Response times from 25°C</i>	PASS		4.3.4	
<i>Response times from high ambient temperature</i>	PASS		4.3.5	
<i>Reproducibility</i>	PASS		EN 54-5:2017 + A1:2018	4.3.6
Response delay (response time)	PASS	EN 54-7:2018	4.3.3	
<i>Air movement</i>	PASS	EN 54-7:2018	4.4.1	
<i>Dazzling</i>	PASS		4.4.2	



Additional test for suffix S point heat detectors	NPD	EN 54-5:2017 + A1:2018	4.4.1	
Additional test for suffix R point heat detectors	PASS		4.4.2	
Tolerance to supply voltage				
Variation in supply parameters	PASS PASS	EN 54-5:2017 + A1:2018 EN 54-7:2018	4.5.1 4.5	
Performance parameters under fire conditions				
Fire sensitivity	PASS	EN 54-7:2018	4.6	
Durability of Nominal activation conditions/Sensitivity				
Temperature resistance				
Cold (operational)	PASS PASS	EN 54-5:2017 + A1:2018 EN 54-7:2018	4.6.1.1 4.7.1.1	
Dry heat (operational)	PASS	EN 54-7:2018	4.7.1.2	
Dry heat (endurance)	PASS	EN 54-5:2017 + A1:2018	4.6.1.2	
Humidity resistance				
Damp heat, steady-state (operational)	PASS	EN 54-7:2018	4.7.2.1	
Damp heat, cyclic (operational)	PASS	EN 54-5:2017 + A1:2018	4.6.2.1	
Damp heat, steady-state (endurance)	PASS PASS	EN 54-5:2017 + A1:2018 EN 54-7:2018	4.6.2.2 4.7.2.2	
Corrosion resistance				
Sulfur dioxide (SO₂) corrosion (endurance)	PASS PASS	EN 54-5:2017 + A1:2018 EN 54-7:2018	4.6.3 4.7.3	
Vibration resistance				
Shock (operational)	PASS PASS	EN 54-5:2017 + A1:2018 EN 54-7:2018	4.6.4.1 4.7.4.1	
Impact (operational)	PASS PASS	EN 54-5:2017 + A1:2018 EN 54-7:2018	4.6.4.2 4.7.4.2	
Vibration sinusoidal (operational)	PASS PASS	EN 54-5:2017 + A1:2018 EN 54-7:2018	4.6.4.3 4.7.4.3	
Vibration sinusoidal (endurance)	PASS PASS	EN 54-5:2017 + A1:2018 EN 54-7:2018	4.6.4.4 4.7.4.4	
Electrical stability				
Electromagnetic Compatibility (EMC), Immunity tests (operational)	PASS PASS	EN 54-5:2017 + A1:2018 EN 54-7:2018	4.6.5 4.7.5	

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No. 305/2011, under the sole responsibility of the manufacturer identified above.

Signed for and on behalf of the manufacturer by:

Baldovino Ruggieri
(Managing Director)

At Montepredone, on 24/02/2023